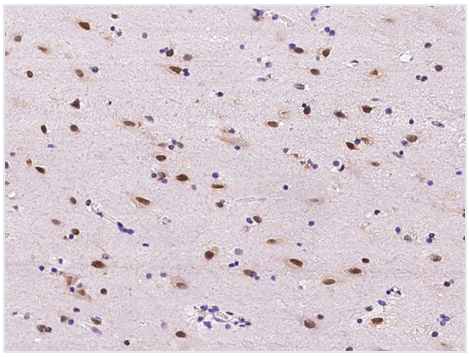
E2F6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	E2f6, Polyclonal Antibody
Full Product Name	Anti-E2f6 Antibody, Rabbit Polyclonal
Product Gene Name	anti-E2f6 antibody
Product Synonym Names	E2f6 Antibody, Rabbit PAb, Antigen Affinity Purified; Anti-E2F-6 Antibody; Anti-E2F6 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human E2f6
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Molecular Weight	31,844 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (11584501..11606297, complement). Location: 2p25.1
OMIM	602944
3D Structure	ModBase 3D Structure for O75461
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human E2f6
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human E2f6, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-E2f6 antibody	Immunohistochemistry-Paraffin (IHC-P)
Application Notes for anti-E2f6 antibody	IHC-P: 1:200-1:1000
Related Product Information for anti-E2f6 antibody	The E2f6 transcriptional repressor is an E2F-family member essential for the silencing of a group of meiosis-specific genes in somatic tissues. E2f6 has been shown to associate with both polycomb repressive complexes (PRC) and the methyltransferase Dnmt3b. E2F transcription factors play an important role in regulating mammalian cell proliferation. E2F6, the most recently identified E2F family member, is a transcriptional repressor.
Other Notes	Small volumes of anti-E2f6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for E2f6 purchase	MBS8102842 is an antibody targeting E2f6. Also known as Anti-E2f6 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-E2f6 antibody
Immunochemical staining of human E2F6 in human brain with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for E2f6. It may not necessarily be applicable to this product.

NCBI GI #	109637795
NCBI GeneID	1876
NCBI Accession #	NP_937987.2
UniProt Primary Accession #	O75461
UniProt Secondary Accession #	O60544; Q53QY9; Q7Z2H6; A8K2Z8
UniProt Related Accession #	O75461
GenBank Nucleotide #	NM_198256.3
NCBI Official Full Name	transcription factor E2F6 isoform 1
NCBI Official Synonym Full Names	E2F transcription factor 6
NCBI Official Symbol	E2F6
NCBI Official Synonym Symbols	E2F-6
UniProt Protein Name	Transcription factor E2F6
Protein Family	Transcription factor
UniProt Gene Name	E2F6
UniProt Synonym Gene Names	E2F-6
UniProt Entry Name	E2F6_HUMAN
NCBI Protein Information	transcription factor E2F6
NCBI Summary for E2f6	This gene encodes a member of a family of transcription factors that play a crucial role in the control of the cell cycle. The protein encoded by this gene lacks the transactivation and tumor suppressor protein association domains found in other family members, and contains a modular suppression domain that functions in the inhibition of transcription. It interacts in a complex with chromatin modifying factors. There are pseudogenes for this gene on chromosomes 22 and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

UniProt Comments for E2f6	E2F6: Inhibitor of E2F-dependent transcription. Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Has a preference for the 5'-TTTCCCGC-3' E2F recognition site. E2F6 lacks the transcriptional activation and pocket protein binding domains. Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression. May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase. Belongs to the E2F/DP family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 2p25.1 Cellular Component: transcription factor complex; nucleus Molecular Function: DNA binding; transcription corepressor activity; transcription factor activity Biological Process: G1/S-specific transcription in mitotic cell cycle; transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter
Research Articles on E2f6	**1.** findings indicate an inhibitory role of E2F6 in the regulation of IL-13 and allergy
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